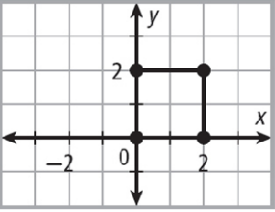
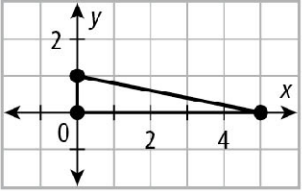
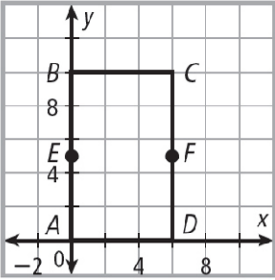
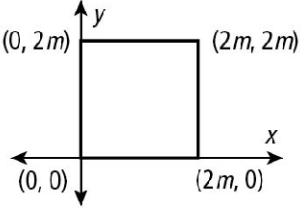
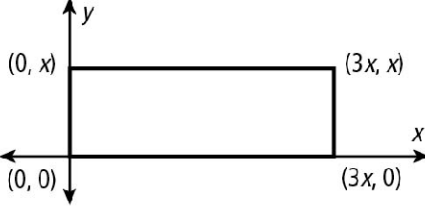
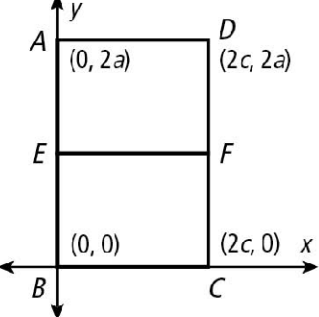
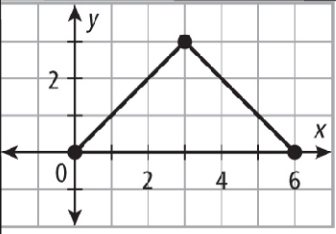


Question	Answer
8.	<p>Possible answer:</p> 
9.	<p>Possible answer:</p> 
10.	 <p>By the Mdpt. Formula, the coords. of E are $(0, 5)$ and the coords. of F are $(6, 5)$. By the Dist. Formula,</p> $BC = \sqrt{(6 - 0)^2 + (10 - 10)^2}$ $= \sqrt{36} = 6 \text{ units.}$ $EF = \sqrt{(6 - 0)^2 + (5 - 5)^2}$ $= \sqrt{36} = 6 \text{ units. So } EF = BC.$
11.	<p>Possible answer:</p> 

Question	Answer
12.	<p>Possible answer:</p> 
13.	 <p>By the Mdpt. Formula, the coords. of E are $(0, a)$ and the coords of F are $(2c, a)$. By the Dist. Formula, $AD = \sqrt{(2c - 0)^2 + (2a - 2a)^2}$ $= \sqrt{(2c)^2} = 2c \text{ units.}$ Similarly, $EF = \sqrt{(2c - 0)^2 + (a - a)^2}$ $= \sqrt{(2c)^2} = 2c \text{ units.}$ So $EF = AD$.</p>
15a.	
15b.	8.5 mi